



Compact Adult Tricycle  
Owners  
Manual  
Kool C.A.T. Scooters USA  
1203 Spanish Flower Drive  
Granbury, Texas 76048  
786-566-9776



# Safety Warning

(Please read before riding your C.A.T.)

Before riding your C.A.T. please read and be sure you understand this manual completely. C.A.T. is not a toy and should always be operated in a safe manner. Any questions you may have about the safe operation of your C.A.T. should be directed to your authorized dealer

Failure to comply with the safety warnings and operating instructions included in this manual could result in serious injury to the operator and others.

C.A.T. is not designed for user repairs. All repairs should be done by an authorized C.A.T. repair technician. C.A.T. will not be liable for any damages or injuries due to repairs by unauthorized individuals.

**C.A.T. should only be operated by individuals 16 years of age or older.**

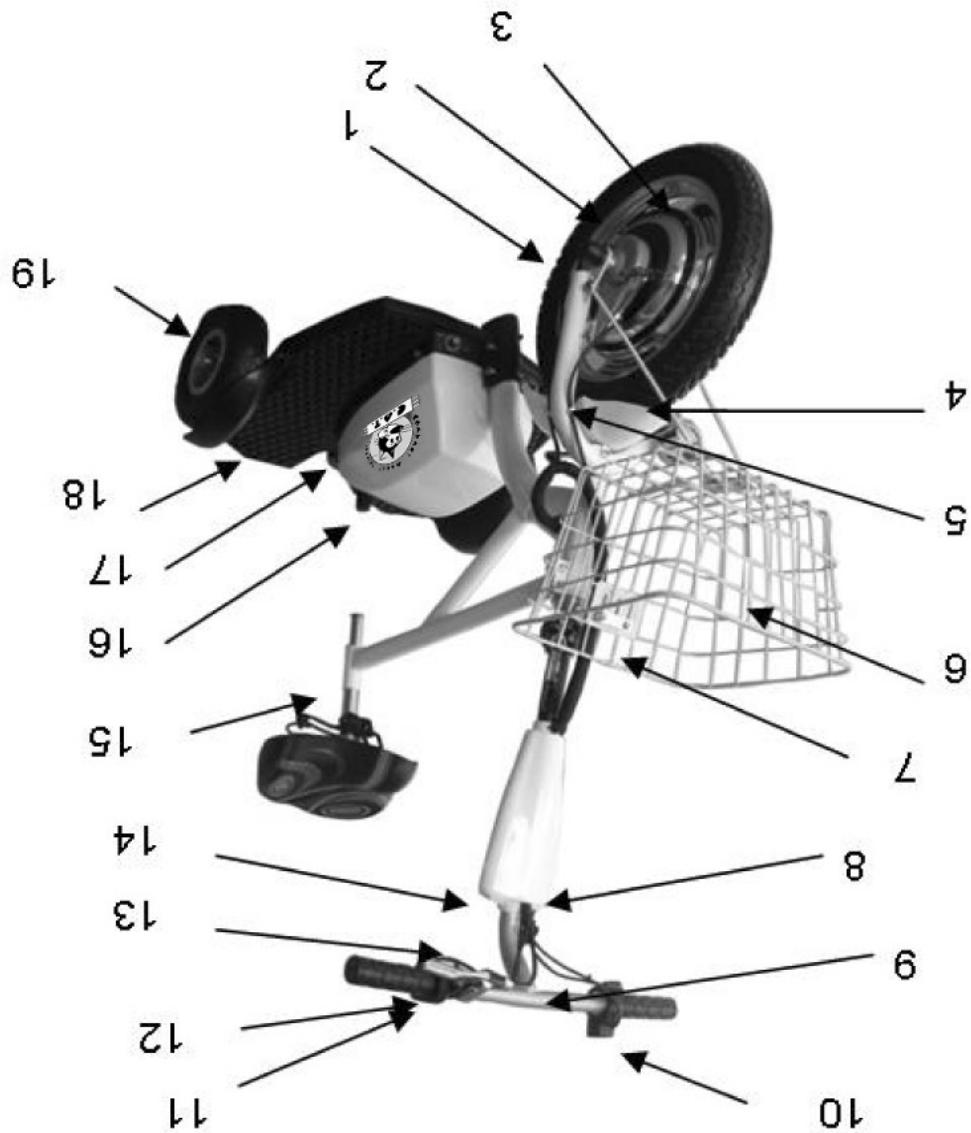
## Safety Instructions

- ✓ Always wear approved safety equipment when using the C.A.T.
- ✓ Observe the maximum weight capacity of 300 lb
- ✓ The C.A.T. should always be operated in a safe manner under safe conditions
- ✓ Before riding, inspect the C.A.T. to insure all quick releases and pivot points are secured properly. Make sure handlebars are secured and hand brake is in operating condition.
- ✓ Check the battery to insure it is properly charged.
- ✓ Check air pressure in tires and tighten wheel bolts periodically.
- ✓ Charge the battery after each use.
- ✓ Do not expose the C.A.T., batteries or charger to wet conditions.
- ✓ Be careful when riding on wet or uneven surfaces.

## Technical Information

|                  |   |
|------------------|---|
| Type of Motor    | 48V Permanent Magnet Brushless DC Motor |
| Motor Power      | 350KW                                   |
| Battery Type     | Dry Cell Battery                        |
| Battery          | 48 V                                    |
| Charger          | UL Approved 110 volt                    |
| Charging Time    | 4-8 hours                               |
| Rated Speed      | Up to 16 mph                            |
| Single Charge    | Up to 25 miles                          |
| Maximum Capacity | 300 lbs                                 |
| C.A.T. Weight    | 90 lbs                                  |
| Trailer          | Optional                                |

## Parts List



1. Front Wheel
2. Drum Brake
3. Motor
4. Front Fender
5. Front Fork
6. Basket
7. Folding Handlebar Connection
8. Ignition Key

10. Throttle
11. Red Button for Headlight
12. Green Button for Horn
13. Brake Lock
14. Power Indicator
15. Seat Post (No longer used)
16. Trailer/Seat Mount
17. Rear Light/Brake Light

9. Handlebar

18. Safety Wheels

19. Rear Wheels

## Tool Kit

Charger

Allen wrench 17-19 mm

Allen wrench 14-17 mm

Allen wrench 8-10 mm

Screwdriver

Open end wrenches

Fuses and basket hardware in bag



## Assembling the C.A.T.



Unpack the C.A.T. and inspect all the parts to insure all are included. Please contact your C.A.T. dealer immediately if any parts are missing.

Place your C.A.T. on a flat, clean surface.



Remove the bolts and nuts from the connecting tube clamp. Place the connecting tube into the top opening and slip the connectors and wires through the hole in the frame.



Pull them completely through into the battery compartment and seat the connecting tube into the opening.



Reinsert the bolts and nuts as shown.



Tighten the bolts and nuts using the 2 allen wrenches in the tool kit. Also tighten the small bolts on the outside of the frame.



Connect the white plastic connectors together and plug in the color-coded wires to the corresponding color wire from the battery. Once the connections are completed push them into the opening next to the battery.

## Installing the Battery Cover



Insert the metal tabs on the 4 plastic tabs on the battery cover.



Align the battery box and tabs making sure all wires are inside the cover.



Tighten the battery cover.



## Installing the Handlebar



Slip the handlebar over the top of the front fork.



Lower the collapsible handlebar by pulling down on the handle. This will expose the nut which must be tightened.

Once it is tight, raise the handlebar back into place and pull up on the handle.



Note: The collapsible handlebar connector faces slightly to the left of center in order to enable the handlebar to collapse with the basket in place.

## Installing the Front Light



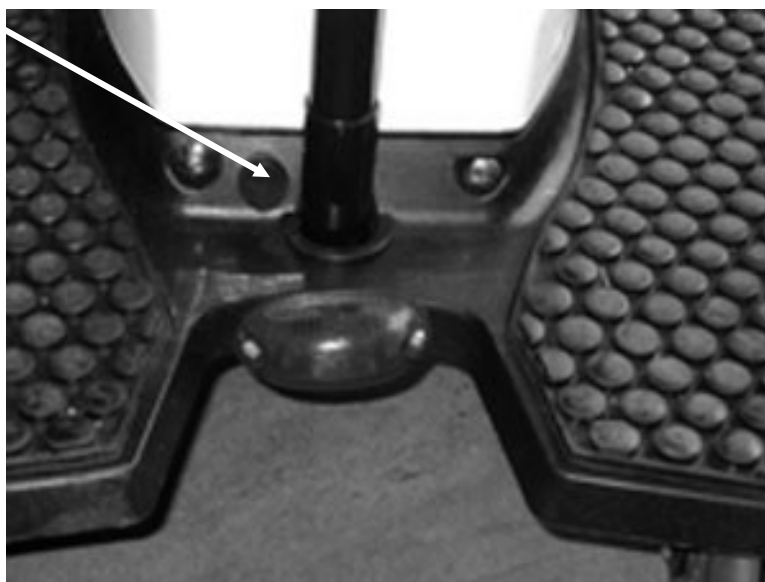
Tighten the screw on the side of the light with the supplied screwdriver. Do Not overtighten.

## Charging the Batteries

Before riding your C.A.T. for the first time, the unit should be fully charged. Ride your C.A.T. until the battery is fully discharged before recharging it. Doing this 3-5 times will insure maximum battery efficiency and scooter performance. The batteries should be recharged frequently, at least once every 30 days for longest battery life.

Leaving the battery uncharged for more than 3 months will significantly decrease battery lifespan. For best results, charge the battery after every use.

In order to charge the batteries, plug the charger into the socket located at the rear of the battery compartment. Be sure it is tightened correctly. Do not over tighten which could cause damage. Then plug the charger into the wall outlet. The light on the charge will be red when the unit is charging the batteries. When the light turns green, the charge is complete.



Be sure the charger is properly connected to the C.A.T.. The connector is indented so that it will fit only one way. Do not force the connection. It should slide easily into the unit when correctly located.

## Riding your C.A.T.

If you are using your C.A.T. outdoors please be aware of all state and local laws governing the use of such vehicles. State and local ordinances may vary and it is your responsibility to make sure you comply with all applicable laws. Always opt for safety.



First, put the key in the ignition switch located on the right side of the handlebar. Turn the key to the first “On” position. The first stop is high speed, meaning the C.A.T. can be driven from 0 to 16 mph. The second stop is low speed meaning the C.A.T. can be driven from 0 to 6mph.



The battery gauge on the handlebar will illuminate, indicating the battery is engaged. At full power the entire gauge will be illuminated. As the power decreases the lights go out starting with the right side moving to the left. When there is no illumination, the battery is completely drained and must be recharged.



Next, push the power switch, located on the right side of the handlebar to the on position (o).

To turn off the power, return the switch to its original position (-).



As you hold onto the handlebars with both hands, you will control the throttle with your right thumb. Depress the throttle to increase your speed. Be careful to slightly push the throttle until you are accustomed to its sensitivity. As you push the throttle, your speed will increase.

To stop your C.A.T., disengage the throttle and apply pressure to the handbrake.



If you are parking your scooter on an incline, engage the handy parking brake by tightly holding the hand brake and pushing the parking brake into the hole so the handbrake remains engaged.

When parking the scooter, always push the power switch off and turn the key to the off position. Be sure to remove the key to keep unauthorized persons from using



In order to adjust the sensitivity of the hand brake, either tighten or loosen the wire shown on the left. First loosen the nut and then push the wire back toward the brake to lessen sensitivity, or pull the wire to increase sensitivity.

# Maintenance

Your C.A.T. requires minimum maintenance to give you years of service. Always follow these simple procedures before your ride.

Make sure battery is fully charged.

Never leave battery uncharged for more than 30 days, as this will negatively impact performance.

Inspect all connections each time you ride to insure nothing is loose and wires are not frayed or damaged.

Make sure tires are inflated to their proper pressure as shown on the tire and tighten wheels bolts periodically.

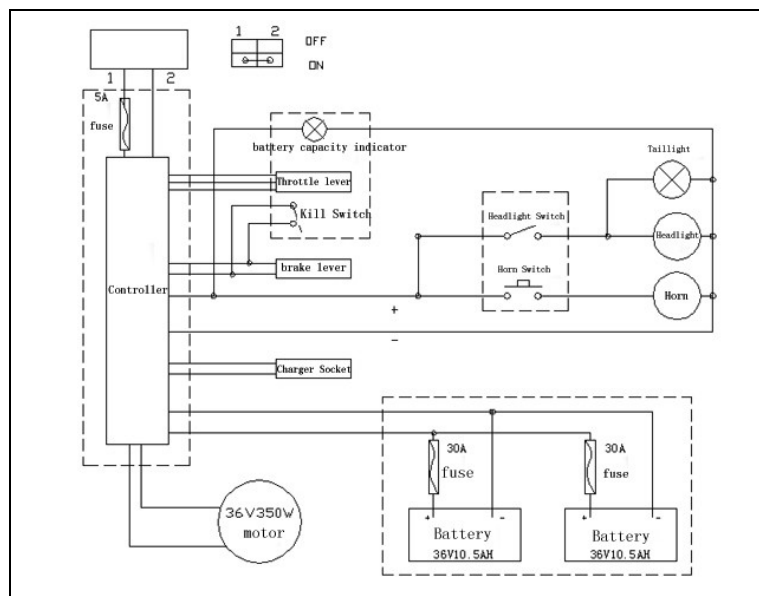
Test brakes to insure they are operating before increasing speed.

If using a helmet, adjust helmet properly for each rider for maximum protection.

## Battery Replacement

Battery replacement should only be done by a C.A.T. authorized service dealer or anyone with simple technical skills. The batteries are located in the battery compartment on the footboard. To get to them, remove the battery cover and carefully disconnect the wires from the battery terminal, marking each wire to insure it is reconnected to the correct connector. Replace the battery and cover and then charge the battery before attempting to use.

## Wiring Diagram



## Trouble Shooting

| Problem  | Most Likely Cause   |
|--|---|
| The key is in the ON position, but the C.A.T. does not move. | The battery may not be full charged. Check the battery level indicator on the handlebar. If the green light is not illuminated, charge the battery before using the C.A.T.. |
| The C.A.T. rides roughly and is difficult to steer.          | Check tire inflation before operating the C.A.T.. Check weekly to insure safe operation.  |
| The handlebar wobbles and doesn't feel tight.                | Immediately stop operation and check to insure all connections have been tightened sufficiently.  |
| C.A.T. doesn't brake completely.                             | Brakes may need adjusting. See your C.A.T. dealer.  |
| C.A.T. will not recharge within 10 hours.                    | Recharge unit or battery may be malfunctioning. See your C.A.T. dealer.   |

## Warranty

Your C.A.T. has a limited warranted by Kool CAT Scooters USA, for one (1) year from the original retail purchase date subject to the terms shown below. The warranty does not cover the battery, motor, controller, frame and charger.

Any C.A.T. product that is defective in material or workmanship will be repaired or replaced at Kool CAT Scooters USA, discretion.

Any repairs done by anyone else must be approved in writing prior to the work being done and an estimate of the cost supplied to Kool CAT Scooters USA.

C.A.T. scooters used for any commercial purpose such as rental, demonstration or other revenue producing purpose are limited to a 30-day warranty period.

This warranty does not apply to any C.A.T. scooter that is not used in accordance with the safety instructions in this manual or that is subject to misuse, neglect, negligence or accident. It also does not apply to any C.A.T. scooter that has been altered in any way from the original to alter its performance or intended use.

The warranty does not cover normal wear and tear from use.

Any questions concerning the C.A.T. warranty should be forwarded to the address below:

Kool C.A.T. Scooters USA  
1906 Campbell RD.  
Tolar, Texas 76476  
786-566-9776